

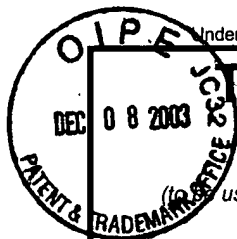
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PTO/SB/21 (08-00)

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TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

	Applicati n Number	10/650,282	
	Filing Date	August 28, 2003	
	First Named Inventor	Tianniu Chen, et al.	
	Group Art Unit	TBA	
	Examiner Name	TBA	
Total Number of Pages in This Submission		Attorney Docket Number	ATMI-515-CIP

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment / Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
Remarks 		

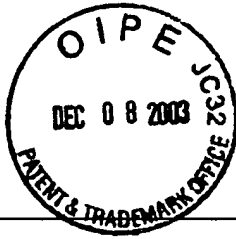
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	William F. Ryann, Reg. No. 44,313
Signature	<i>William F. Ryann</i>
Date	December 4, 2003

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited pursuant to 37 C.F.R. 1.8 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: 12/5/03	
Type or printed name	Lee Ann DiLello
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ATMI-515-CIP
Customer ID No.: 25559

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Tianniu Chen, et al.

Group Art Unit: TBA

U.S. Application No.: 10/650,282

Examiner: TBA

Filed: August 28, 2003

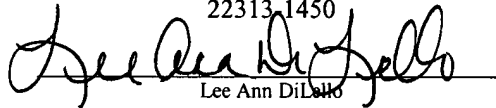
Title: Stabilized Cyclosiloxanes for Use as CVD Precursors for Low-Dielectric
Constant Thin Filme

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Lee Ann DiLallo

December 5, 2003

Date

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

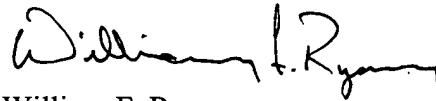
Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

- ☒ 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits. No certification or fee is required in accordance with 37 CFR § 1.56 and § 1.97(b).

- ☐ 2. This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application, which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ c. Attached is our check no. ____ in the amount of \$180 in payment of the fee under 37 C.F.R. §1.17(p). Please credit or debit Deposit Account No. 50-0860 as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Applicant(s) hereby petition(s) that the Information Disclosure Statement be considered. Attached is our check no. ____ in the amount of \$130.00 in payment of the petition fee under 37 C.F.R. §1.17(i)(1). Please credit or debit Deposit Account No. ____ as needed to ensure consideration of the disclosed information. Two duplicate copies of this paper are attached.
- ☐ a. I hereby certify that each item of information contained in this Information Disclosure Statement was the first citation of such item by a foreign patent office in a counterpart foreign application which occurred no more than three months prior to filing the Information Disclosure Statement. 37 C.F.R. §1.97(e)(1).
- ☐ b. I hereby certify that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. §1.97(e)(2).
- ☐ 4. (other):

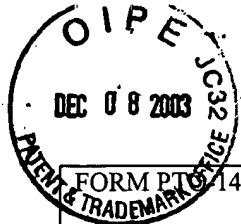
Applicant does not believe that any additional fee is due in connection with the foregoing. However, any deficiencies may be charged to the deposit account 50-0860.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "William F. Ryann". The signature is fluid and cursive, with the first name "William" being more prominent.

William F. Ryann
Registration No. 44,313
Attorney for Applicant

Date: December 4, 2003
Advanced Technology Materials, Inc.
7 Commerce Drive
Danbury, CT 06810
Agent Ref: ATMI-515-CIP



FORM PTO-1449 US Dept. of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)	ATTORNEY DOCKET NO.	SERIAL NO.
	ATMI-515-CIP	10/650,282
	APPLICANT Tianniu Chen, et al.	
	FILING DATE August 28, 2003	GROUP TBA

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,204,134	4/20/1993	Kirlin, et al.			
	AB	5,536,323	7/16/1996	Kirlin, et al.			
	AC	5,711,816	1/27/1998	Kirlin, et al.			
	AD	6,171,945	1/9/2002	Mandal, et al.			
	AE	4,745,169	5/17/1988	Sugiyama, et al.			
	AF	4,755,370	7/5/1988	Kray, et al.			
	AG	6,114,500	9/5/2000	Mori, et al.			
	AH	5,043,789	8/27/1991	Linde, et al.			
	AI	4,871,616	10/3/1989	Kimura, et al.			
	AJ	5,484,867	1/16/1996	Lichtenhan, et al.			
	AK	4,670,299	6/2/1987	Fukuyama, et al.			
	AL	5,047,492	9/10/1991	Weidner, et al.			
	AM	5,210,250	5/11/1993	Watanuki, et al.			
	AN	4,374,110	2/15/1983	Darnell, et al.			
	AO	4,156,689	5/29/1979	Ashby, et al.			
	AP	5,804,040	9/8/1998	Asai, et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES	NO
							X (abstract only)	
	AQ	JP 50-111198	1/28/1974	Japan			X	

OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

	AR	Mantz, et al., "Thermolysis of Polyhedral Oligomeric Silsesquioxane (POSS) Macromers and POSS-Siloxane Copolymers", Chem. Mater., 1996, 8, pg. 1250-1259.
	AS	Ravi K. Laxman, Neil Hendrix Barry Arkles, Terry A. Tabler "Synthesizing Low-K CVD Materials for Fab Use" Semiconductor International, 11/1/2000

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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	



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	ATMI-515-CIP	10/650,282
	APPLICANT Tianniu Chen, et al.	
	FILING DATE	GROUP
	August 28, 2003	TBA

OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)

	AT	Alfred Grill, et al., "Novel Low-k Dual-Phase Materials Prepared by PECVD, Mat. Res. Soc. Symp. Proc. Vol. 612, 2000 Materials Research Society
	AU	Albert Wang, et al. "TMCTS for Gate Dielectric in Thin Film Transistors", Mat. Res. Soc. Meeting 1996
	AV	A. Grill, et al., "Ultralow-k Dielectrics Prepared by Plasma-enhanced Chemical Vapor Deposition", Applied Physics Letters, Vol. 79, No. 6, Aug. 6, 2001.

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.	

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				ATMI-515-CIP		10/650,282	
INFORMATION DISCLOSURE STATEMENT (use several sheets if necessary)				APPLICANT			
				Tianniu Chen			
				FILING DATE		GROUP	
				August 28, 2003		TBA	
U.S. PATENT DOCUMENTS							
		PATENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	10/015,326		Chongying Xu, et al.			12/31/2001
	BB	10/301,109		Alexander S. Borovik			11/21/2002
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLAS S	TRANSLATION YES NO
							X (abstract only)
OTHER DOCUMENTS (Including Author, Title, Journal-Date, Page Number, Etc.)							
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